

AMENDMENTS TO THE CLAIMS

1. (currently amended) A method of delivering a fluid medication from an implanted device to a patient under direction of a medical professional, said implanted device being part of a system, comprising the steps of:

manually programming said implanted device with a maximum dose, a basal rate and a plurality of interval rates over a specified period of time, each individual one of said interval rates corresponding to an individual one of a plurality of time slots during said specified period of time;

said system determining a total dose over said specified period of time based on said basal rate and said interval rates, each individual one of said interval rates corresponding to an individual one of said plurality of time slots;

said system adjusting said basal rate so that said total dose does not exceed said maximum dose; and

delivering said fluid medication in accordance with said basal rate as adjusted in said adjusting step and said plurality of interval rates specified in said programming step.

~~delivering said fluid medication to said patient through an implanted device continually at a basal rate and capable of delivering said fluid medication at an interval rate in each of a plurality of time slots over a specified period of time, said interval rate being different from said basal rate;~~

~~controlling said basal rate and said interval rate at which said fluid medication is delivered to said patient;~~

~~determining a total dose of said fluid medication to be delivered to said patient over said period of time based on said basal rate and said interval rate for each of said plurality of time slots; and~~

~~adjusting said basal rate to maintain said total dose.~~

2. (original) A method of delivering a fluid medication as in claim 1 wherein said total dose equals said maximum dose.
3. (currently amended) A method of delivering a fluid medication as in claim 1 wherein said plurality of interval rate ~~rates~~ may be programmed individually for each of said plurality of time slots.
4. (original) A method of delivering a fluid medication as in claim 3 wherein at least two of said plurality of time slots are of unequal duration.
5. (original) A method of delivering a fluid medication as in claim 1 wherein said period of time is a day and wherein said total dose is a daily dose.
6. (original) A method of delivering a fluid medication as in claim 5 wherein at least two of said plurality of time slots are of equal duration.
7. (original) A method of delivering a fluid medication as in claim 1 wherein said control may be programmed separately for each day of a week.
8. (original) A method of delivering a fluid medication as in claim 7 wherein days of each of said week may be grouped together and programmed together.
9. (original) A method of delivering a fluid medication as in claim 1 wherein said controller provides a graphical display of said interval rate in each of said plurality of time slots.
10. (original) A method of delivering a fluid medication as in claim 9 wherein said controller provides said graphical display to said medical professional.
11. (original) A method of delivering a fluid medication as in claim 9 wherein said graphical display comprises a bar graph having a bar for each of said plurality of time slots and wherein in said bar has a length proportional to said basal rate and said interval rate.

12. (new) A method as in claim 1 wherein said programming step occurs before a beginning of said specified period of time.
13. (new) A method of delivering a fluid medication from an implanted device to a patient under direction of a medical professional, said implantable medical device being part of a system, comprising the steps of:
 - manually programming said implanted device with a basal rate and a plurality of interval rates over a specified period of time, each individual one of said interval rates corresponding to an individual one of a plurality of time slots during said specified period of time;
 - said system determining a total dose over said specified period of time based on said basal rate and said interval rate;
 - manually adjusting at least one of said plurality of interval rates;
 - said system adjusting said basal rate in accordance with said plurality of interval rates as adjusted in said manually adjusting step; and
 - delivering said fluid medication in accordance with said basal rate as adjusted in said adjusting step and said plurality of interval rates.